



Product Evaluation

RC569 | 0218

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RC-569

Effective Date: February 1, 2018

Re-evaluation Date: September 2021

Product Name: Euroshield Roofing Products

Manufacturer: G.E.M. Inc.
9330 48 St. SE
Calgary, AB
(403) 215-3333

Product Description:

Euroslate®/Euroshake®, Harvest Shake, Heritage Slate, and Beaumont Shake® are designed to provide a look of natural slate and shake. The panels are manufactured from a proprietary formulation using recycled rubber, additives, and colorants. The materials are available in black, brown, and driftwood.

- **Euroslate/Euroshake:** The Euroslate and Euroshake panels are 36" long by 22" wide and has an exposure of 10 inches.
- **Euroshield Harvest Shake:** Euroshield Harvest Shake is 40" long by 17" wide and has an exposure of 7-1/2".
- **Euroshield Heritage Slate:** Euroshield Harvest Shake is 40" long by 17" wide and has an exposure of 7-5/8".
- **Beaumont Shake:** The Beaumont Shake is 40" long by 20" wide and has an exposure of 9".

Limitations:

- **Roof Deck:** Roof deck shall be a minimum 15/32" plywood.
- **Roof Slope:** Use the synthetic roofing tiles on roof decks with a minimum roof slope of 4:12. The maximum roof slope is 20:12.

- **Underlayment:** ASTM D 226 Type II (#30). Underlayment installed with 4" side-lap and 56" end-laps and fastened using 12 gauge, 1-1/4" ring shank nails and 1-5/8" tin caps spaced 6 inches on center in the laps and two staggered rows 12" on center in the field.
- **Installation over an Existing Roof Covering:** Do not install the slate and shakes over an existing roof covering.
- **Roof Deck Attachment:** Decking attached with 0.113" x 2-3/8" ring shank nails spaced 6" on center along each wood joist. The wood joist are spaced a maximum of 24" on center.

Table 1

Product	Roof Deck	Design Pressure Rating (psf)
EuroSlate/EuroShake	15/32" plywood	150
Euroshield Harvest Shake	15/32" plywood	345
Euroshield Heritage Slate	15/32" plywood	390
Beaumont Shake	15/32" plywood	360

Installation:

- **Roof Deck:** Minimum 15/32" plywood.
- **Fasteners:**
 - EuroSlate/Euroshake** – Each rubber shingle is attached to the deck with 7, 0.120" x 1-3/4" stainless steel ring shank nails.
 - Euroshield Harvest Shake** – Each rubber shingle is attached to the deck with 18, 0.120" x 1-3/4" stainless steel ring shank nails.
 - Euroshield Heritage Slate** – Each rubber shingle is attached to the deck with 10, 0.120" x 1-3/4" stainless steel ring shank nails.
 - Beaumont Shake** - Each rubber shingle is attached to the deck with 18, 0.120" x 1-3/4" stainless steel ring shank nails.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.